

Abstract

Described is a sensor element (10) which is used for determining a property of a measuring gas, preferably for determining the concentration of a gas component in the measuring gas.

The sensor element (10) has at least one electrode (42, 43) applied to one solid electrolyte

5 (21, 22), the electrode being in contact with the measuring gas via a diffusion path in which a diffusion barrier (51, 151) is situated. A means (52, 152) is provided in the region of the side of the diffusion barrier (51, 151) facing away from the electrode (42, 43), the means reducing the diffusion cross section in the region of the side of the diffusion barrier facing away from the electrode (42, 43).

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(Figure 2)